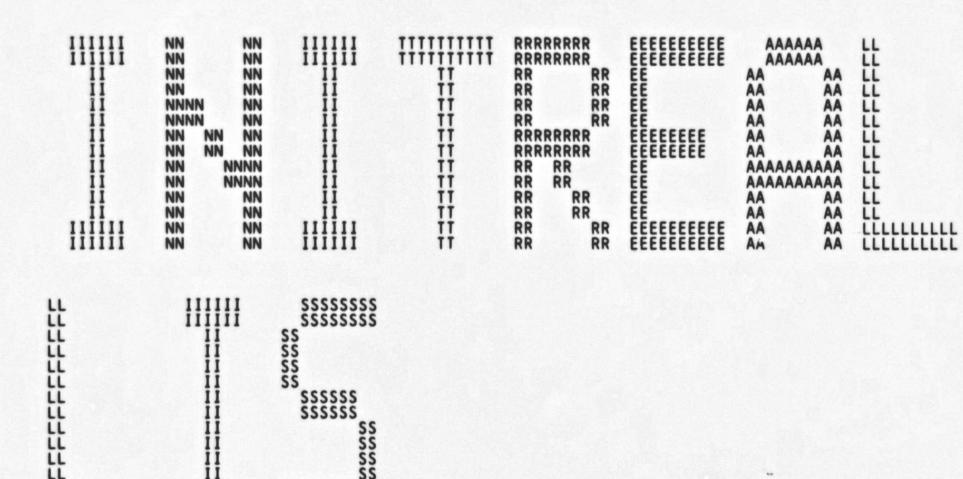
```
RRR
RRR
RRR
RRR
                              RRR
RRR
RRR
RRRRRRRRRRRR
RRRRRRRRRRR
RRR RRR
RRR RRR
RRR RRR
RRR RRR
                                                    RRR
                                                            FFF
FFF
FFF
FFF
FFF
                              RRR
RRR
                                              RRR
RRR
RRR
                               RRR
                              RRR
RRR
RRR
                                                   RRR
RRR
RRR
```

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CC

Version: 'V04-000'

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Author: Sharon Reynolds

Creation date: 29-Mar-1983

Functional Description:

This module initializes data structures that contain the device class, type, version number, and the transfer vector offsets for the devices supported by the ERFRLTIM image.

Modified By:

C\*\*\*

C++

C\*\*

V03-001 SAR0127 Sharon A. Reynolds, 7-Sep-1983 Added initialization of a common text area for device registers used by both the DR750/DR780 modules.

Include files

Include 'SRC\$:DR32COM.FOR /nolist'

REALTIME DEVICE CLASS AND TYPES

Parameter DC\$\_REALTIME = '00000060'X

PARAMETER DT\$\_LPA11 = '00000001'X

! LPA-11

```
16-Sep-1984 00:04:34
5-Sep-1984 13:58:45
ERFRIINI
                                                                                                                                                                                                                                                                                                                  VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER:[ERF.SRC]INITREAL.FOR;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2
                                                                                                                                                                                                                                                                                                                                                                                                                                                Page
                                                      PARAMETER DT$_DR780 = '00000002'X
PARAMETER DT$_DR750 = '00000003'X
PARAMETER DT$_DR11W = '00000004'X
PARAMETER DT$_PCL11R = '00000005'X
PARAMETER DT$_PCL11T = '00000006'X
PARAMETER DT$_DR11C = '00000007'X
PARAMETER DT$_BS_DT07 = '00000008'X
PARAMETER DT$_XP_PCL11B = '00000009'X
PARAMETER DT$_XP_PCL11B = '000000009'X
PARAMETER DT$_XI_DR11C = '00000000A'X
                                                                                                                                                                                                            DR780
DR750
DR11W
PCL11 RECEIVER (CSS)
PCL11 TRANSMITER (CSS)
DR11C PARALLEL INTERFACE
PARALLEL INTERFACE ON DMF-32
PCL-11B (DECNET and NONDECNET mode CSS)
PARALLEL INTERFACE ON DMF-32
                                                        Parameter V1 = 1
                                                                                                                                                                                                    ! device module version number
                                                        Parameter
                                                                                                                Maxtypes = 7
                                                        Integer*4
                                                                                                                Array_addr, Array_size
                                                        Integer*2
                                                                                                                Real_time_codes ( 4 * Maxtypes )
                                  The following table consist of: DEVICE TYPE, DEVICE CLASS, MODULE VERSION, TRANSFER VECTOR OFFSET
                                   The MODULE VERSION is used to determine if the module in this image
                                   is the one to use. This is accomplished the root image comparing
                                  this value against the value in the master tables in the root image.
                                  The TRANSFER VECTOR OFFSET is the index to the transfer vector to
                                  be used for a specific device type. For example, the transfer
                                  vectors for the disk image are ordered as:
                                                        INITDISK O
                                                        MASSDISK 1
                                                        RKDISK
                                                        RLDISK
                                                        ECT.
                                                                                                             Real_time_codes /
DC$_REALTIME. V1. 1.
DC$_REALTIME. V1. 2.
DC$_REALTIME. V1. 3.
DC$_REALTIME. V1. 4.
DC$_REALTIME. V1. 5.
DC$_REALTIME. V1. 6.
DC$_REALTIME. V1. 6.
DC$_REALTIME. V1. 7/
DC$_REALTIME. V1. 7/
DC$_REALTIME. V1. 1
                                                      Pata
1 DTS_LPA11,
2 DTS_DR780,
3 DTS_DR750,
4 DTS_DR11W,
5 DTS_PCL11R,
6 DTS_PCL11T,
7 DTS_DR11C,
8 DTS_BS_DT07,
8 DTS_XP_PCL11B,
9 DTS_XP_PCL11B,
9 DTS_XP_PCL11B,
1 DCS_REALTIME,
1 DCS_REALTIME,
2 DCS_REALTIME,
3 DCS_REALTIME,
4 DCS_REALTIME,
5 DCS_REALTIME,
6 DTS_ST_DR11C,
7 DCS_REALTIME,
8 DTS_XP_PCL11B,
9 D
                                                        Data
                                                                                                                                                                                                             LPA-11
DR780
                                                                                                                                                                                                             DR750
                                                                                                                                                                                                             DR11W
                                                                                                                                                                                                             PCL11 RECEIVER (CSS)
                                                                                                                                                                                                             PCL11 TRANSMITER (CSS)
                                                                                                                                                                                                             DR11C PARALLEL INTERFACE
                                                                                                                                                                                                             UNIBUS SWITCH
                                                                                                                                                                                                             PARALLEL INTERFACE ON DMF-32
                                                                                                                                                                                                             PCL-11B (DECNET and NONDECNET mode CSS)
                                                        Array_addr = %LOC (Real_time_codes(1))
                                                        Array_size = Maxtypes
                           C Initialize the DR32 common.
                                                       V1DR_SL(0) = 'SUCCESSFUL COMPLETION*'
V1DR_SL(1) = 'COMMAND STARTED*'
V1DR_SL(2) = 'INVALID PTE*'
V1DR_SL(3) = 'COMMAND IN*'
```

\*1

```
E 14
16-Sep-1984 00:04:34
5-Sep-1984 13:58:45
 ERFRIINI
                                                                                                                                                                                                                                                     VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER:[ERF.SRC]INITREAL.FOR;1
                                                                                                                                                                                                                                                                                                                                                          Page
                                                                                                                                                                                                                                                                                                                                                                              3
                                            V1DR_SL(4) = 'FAR-END DISABLED*'
V1DR_SL(5) = 'SELF TEST*'
V1DR_SL(6) = 'RANGE ERROR*'
V1DR_SL(7) = 'UNALIGNED QUEUE ERROR*'
V1DR_SL(8) = 'INVALID COMMAND PACKET*'
V1DR_SL(9) = 'FREE QUEUE EMPTY*'
V1DR_SL(10) = 'RANDOM ENABLE*'
V1DR_SL(11) = 'INVALID DDI COMMAND*'
V1DR_SL(12) = 'LENGTH ERROR*'
V1DR_SL(13) = 'DRIVER ABORT*'
V1DR_SL(14) = 'DDI PARITY ERROR*'
0165
0166
0167
0168
0169
0170
0171
0173
0175
0176
0177
0180
0181
0182
0188
0188
0189
0190
                                             V2DR_SL(21) = 'NON-EXISTENT REGISTER*'
V2DR_SL(22) = 'LOG FAR-END REGISTERS*'
V2DR_SL(23) = 'FAR-END ERROR*'
                                             V1DR_CB(1) = 'BASE VA OF COMMAND BLOCK*'
V1DR_CB(2) = 'LENGTH OF COMMAND BLOCK (BYTES)*'
V1DR_CB(3) = 'SVAPTE OF COMMAND BLOCK BASE VA*'
                                             V1DR_BB(1) = 'BASE VA OF BUFFER BLOCK*'
V1DR_BB(2) = 'LENGTH OF BUFFER BLOCK (BYTES)*'
V1DR_BB(3) = 'SVAPTE OF BUFFER BLOCK BASE VA*'
                                             Return
                                             End
PROGRAM SECTIONS
                                                                                                                                         Attributes
           Name
                                                                                                                   Bytes
                                                                                                                                        PIC CON REL LCL SHR EXE PIC CON REL LCL SHR NOEXE PIC CON REL LCL NOSHR NOEXE PIC OVR REL GBL SHR NOEXE
                                                                                                                        293
472
56
      O $CODE
                                                                                                                                                                                                                             RD NOWRT LONG
       1 SPDATA
                                                                                                                                                                                                                             RD NOWRT LONG
      2 SLOCAL
3 DR32
                                                                                                                                                                                                                             RD
                                                                                                                                                                                                                                           WRT LONG
                                                                                                                        600
                                                                                                                                                                                                                                           WRT LONG
                                                                                                                                                                                                                             RD
                                                                                                                      1421
           Total Space Allocated
ENTRY POINTS
```

Address Type Name

Address Type Name

AP-000000040 I\*4 ARRAY\_ADDR

ERFRTINI

Address Type Name

AP-000000080 I+4 ARRAY\_SIZE

0-00000000

VARIABLES

F 14 16-Sep-1984 00:04:34 5-Sep-1984 13:58:45 VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER: [ERF.SRC]INITREAL.FOR; 1 Bytes Dimensions FORTRAN /LIS=LISS: INITREAL/OBJ=OBJS: INITREAL MSRCS: INITREAL /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE\_FORM)
/SHOW=(NOPREPROCESSOR,NOINCLODE,MAP)
/F77 /NOG\_FLOATING /14 /OPTIMIZE /WARNINGS /NOD\_LINES /NOCROSS\_REFERENCE /NOMACHINE\_CODE /CONTINUATIONS=19

## COMPILATION STATISTICS

Address Type Name

I+2 REAL\_TIME\_CODES CHAR V1DR\_BB CHAR V1DR\_CB CHAR V1DR\_SL CHAR V2DR\_SL

ERFRIINI

ARRAYS

2-00000000 3-0000019B 3-000001F8 3-00000000 3-00000159

COMMAND QUALIFIERS

1.68 seconds 5.39 seconds Run Time: Elapsed Time: 124 160 pages Page Faults: Dynamic Memory:

K

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